

Figure 1 A

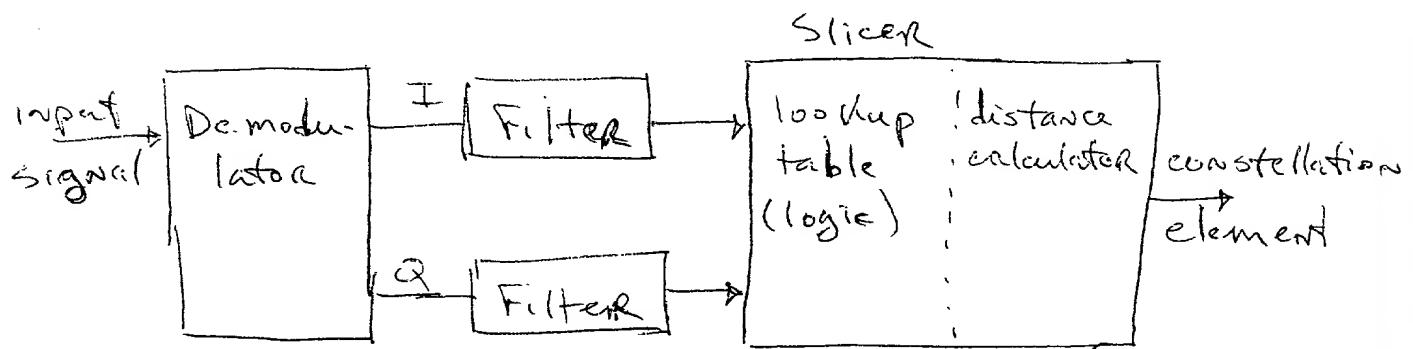


Figure 1 B

Shell mapping with hexa-grid constellation

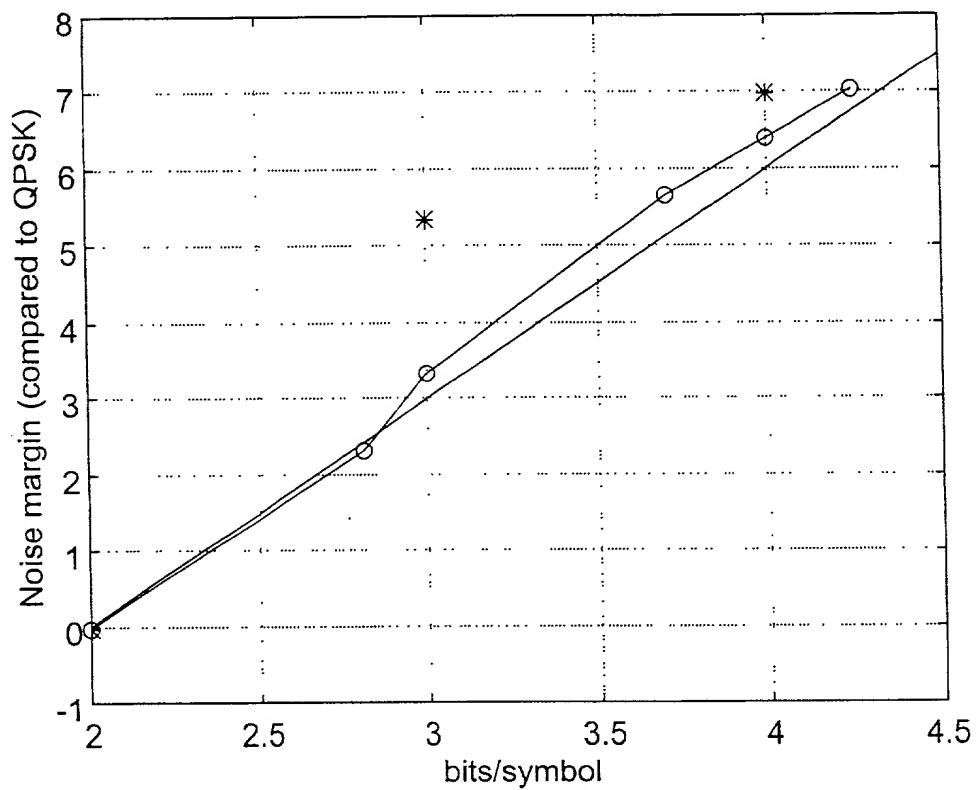


Figure 2

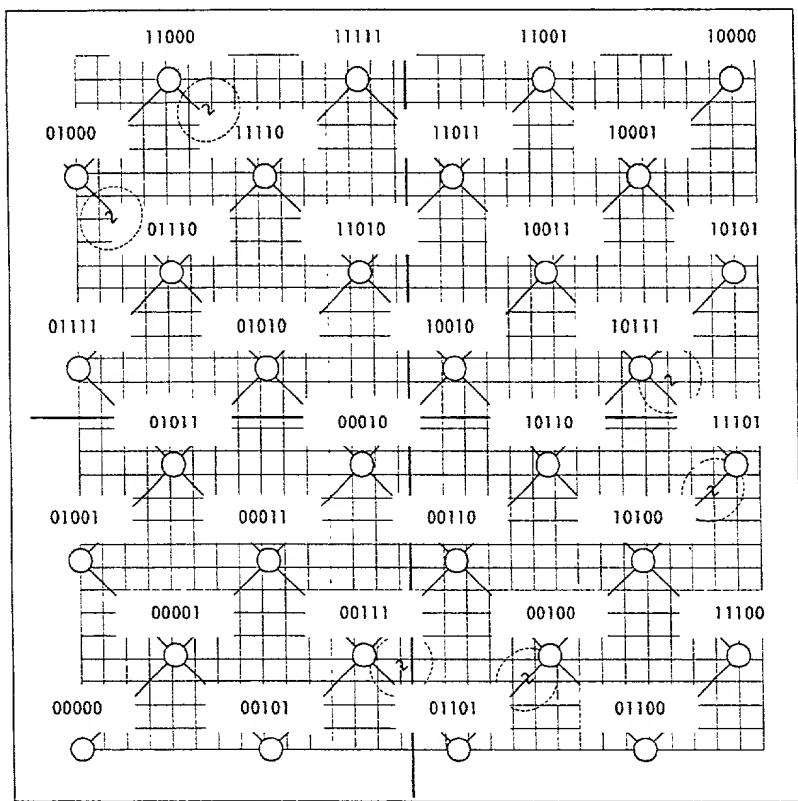
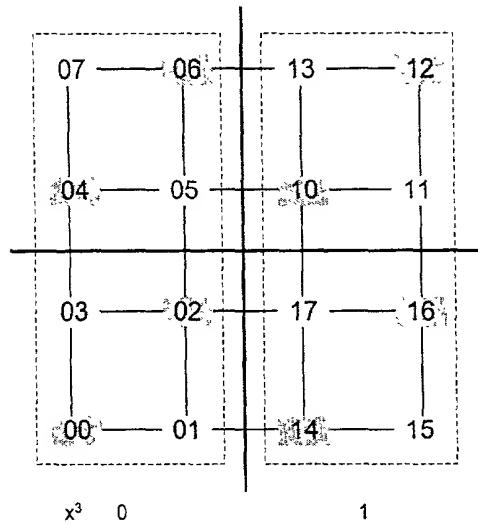


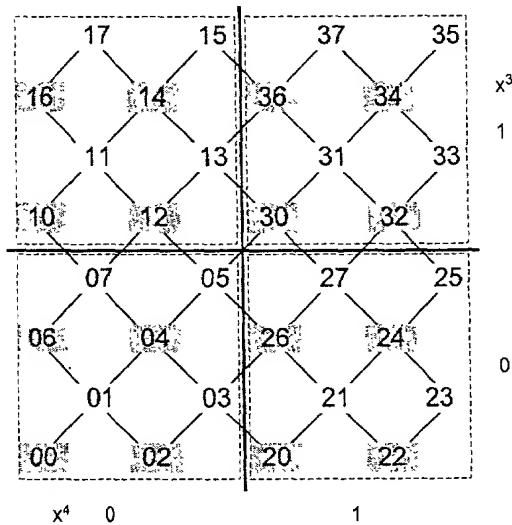
Figure 3

Octal labels  $o^1o^0$  (= bin. labels  $x^3x^2x^1x^0$ )



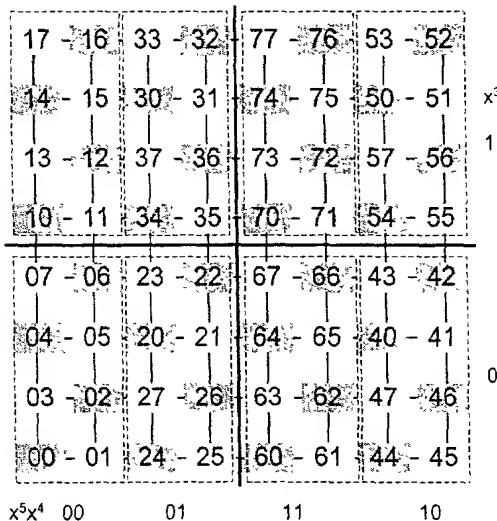
Subset B0

Octal labels  $o^1o^0$  (= bin. lab.  $x^4x^3x^2x^1x^0$ )



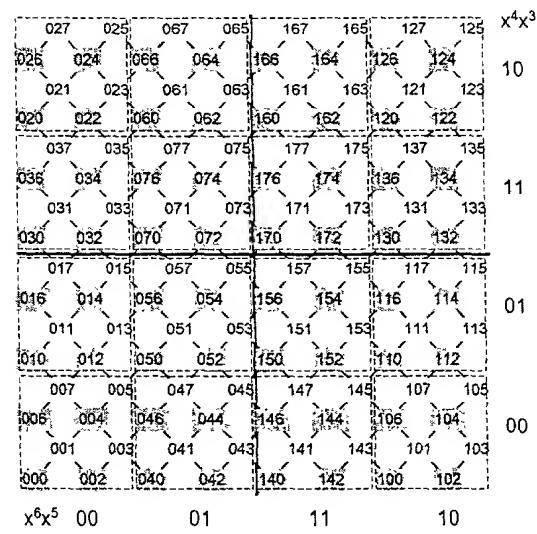
Subset B1

64QAM: octal labels  $o^1o^0$   
(= bin. lab.  $x^5x^4x^3x^2x^1x^0$ )



Subset B0

128QAM: octal labels  $o^2o^1o^0$   
(= bin. lab.  $x^6x^5x^4x^3x^2x^1x^0$ )



Subset B1

Figure 4